**Project Management Exercises Using Excel**

**GANTT Charts**

**Question 1**

|  |  |  |
| --- | --- | --- |
| **Activity** | **Predecessors** | **Duration (weeks)** |
| A | - | 2 |
| B | A | 3 |
| C | B | 3 |
| D | C | 4 |
| E | D | 5 |
| F | E | 6 |
| G | E | 3 |
| H | E | 2 |
| I | E | 4 |
| J | G,H,I | 3 |
| K | J | 2 |

**Setting up the Worksheet**

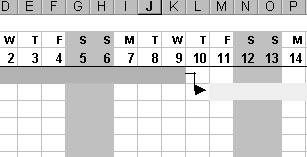
Gantt chart performa file has been set up to create Gantt charts. Download this file.

In the weeks sheet of the file enter in the tasks/activities, duration and predecessors.

Fill in the rows using a color.

**Predecessors**

Predecessors can be shown by using the drawing tools to insert lines and arrows.



**Milestones**

Milestones need to be put into the chart by using a diamond from the windings font (W in Windings will produce a small diamond that will then need to be made 2 or 3 points bigger than the default font size you are using.)



**PERT CHART**

6 weeks

2 weeks 3 weeks 3 weeks 4 weeks 5 weeks 4 weeks

3 weeks

The total time of the project is 26 weeks.

The critical path is A-B-C-D-E-I-J-K.

Tasks that could be delayed without affecting the finishing time of the project are F(3 weeks) ,G(1 week) and H (2 weeks)